

CLAIMS

~~1. A cell that expresses recombinase Cre in the presence of recombinase FLP in a FLP-dependent manner,~~

2. The cell according to claim 1 that expresses the adenovirus E1A gene.

3. The cell according to claim 1 or 2 that derives from human fetus kidney-derived cell line 293 cells.

~~4. The cell according to any of claims 1-3 having, in the genome thereof, a promoter, a recognition sequence of recombinase FLP, a stuffer sequence, a recognition sequence of recombinase FLP, and the recombinase Cre gene sequence in this order from upstream.~~

5. The cell according to claim 4 the promoter is a hybrid promoter (CAG promoter) comprising a cytomegalovirus enhancer, a chicken β -actin promoter, a splicing acceptor and poly(A) sequence of rabbit β -globin.

6. The cell according to claim 4 or 5 wherein the stuffer sequence comprises a nucleotide sequence that acts so as to suppress the expression of the Cre gene located downstream thereof.

7. The cell according to claim 6 which comprises a poly(A) sequence, or a nucleotide sequence encoding the desired protein and a poly(A) sequence, as a nucleotide sequence that acts so as to suppress the

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16. DNA having a modified nucleotide sequence wherein the translation efficiency of the FLP protein in animal cells including human cells has been enhanced by changing a codon ratio preferably used in yeast to a codon ratio preferably used in humans by replacing a codon encoding an amino acid of the FLP protein in a nucleotide sequence encoding a yeast-derived FLP.

17. The DNA according to claim 16 wherein the 5'-end region of the nucleotide sequence encoding FLP is in accordance with the Kozak sequence.

18. The DNA according to claim 16 or 17 wherein the translation efficiency of the FLP protein at 37°C has been enhanced.

19. The DNA according to any of claims 16-18 wherein a second amino acid is serine, 33rd amino acid is serine, 108th amino acid is asparagine, and 294th amino acid is proline in the amino acid sequence of FLP.

20. The DNA according to claim 19 which is the nucleotide sequence as set forth in SEQ ID NO: 5.

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